

1/10  
SEQUENCE LISTING

<110> UNIVERSITE DU QUEBEC A MONTREAL  
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<120> OXYTOCIN AS CARDIOMYOGENESIS INDUCER AND USES THEREOF

<130> 86197-10

<150> CA 2,391,118

<151> 2002-06-21

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<170> PatentIn version 3.1

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Ala Cys Cys Leu Leu Gly Leu Ala Leu Thr Ser Ala Cys Tyr Ile
                                         10                     15                  20

cag aac tgc ccc ctg gga ggc aag agg gcc gcg ccg gac ctc gac gtg      150
Gln Asn Cys Pro Leu Gly Gly Lys Arg Ala Ala Pro Asp Leu Asp Val
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cgc aag tgc ctc ccc tgc ggc ccc ggg ggc aaa ggc cgc tgc ttc ggg      198
Arg Lys Cys Leu Pro Cys Gly Pro Gly Gly Lys Gly Arg Cys Phe Gly
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ccc aat atc tgc tgc gcg gaa gag ctg ggc tgc ttc gtg ggc acc gcc      246
Pro Asn Ile Cys Cys Ala Glu Glu Leu Gly Cys Phe Val Gly Thr Ala
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gaa gcg ctg cgc tgc cag gag aac tac ctg ccg tcg ccc tgc cag      294
Glu Ala Leu Arg Cys Gln Glu Glu Asn Tyr Leu Pro Ser Pro Cys Gln
                                         75                     80                  85

tcc ggc cag aag ggc tgc ggg agc ggg ggc cgc tgc gcg gtc ttg ggc      342
Ser Gly Gln Ala Cys Gly Ser Gly Arg Cys Ala Val Leu Gly
                                         90                     95                  100

ctc tgc tgc agc ccg gac ggc tgc cac gcc gac cct gcc tgc gac gcg      390
Leu Cys Cys Ser Pro Asp Gly Cys His Ala Asp Pro Ala Cys Asp Ala
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gaa gcc acc ttc tcc cag cgc tga aacttgatgg ctccgaacac cctcgaagcg      444
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Ala Pro Asp Leu Asp Val Arg Lys Cys Leu Pro Cys Gly Pro Gly Gly  
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Lys Gly Arg Cys Phe Gly Pro Asn Ile Cys Cys Ala Glu Glu Leu Gly  
50 55 60

Cys Phe Val Gly Thr Ala Glu Ala Leu Arg Cys Gln Glu Glu Asn Tyr  
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Leu Pro Ser Pro Cys Gln Ser Gly Gln Lys Ala Cys Gly Ser Gly Gly  
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 Gly Pro Asp Leu Leu Cys Arg Leu Val Lys Tyr Leu Gln Val Val Gly  
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atg ttc gcc tcc acc tac ctg ctg ctc atg tcc ctg gac cgc tgc 1035  
 Met Phe Ala Ser Thr Tyr Leu Leu Leu Met Ser Leu Asp Arg Cys  
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ctg gcc atc tgc cag ccg ctg cgc tcg ctg cgc cgc acc gac cgc 1083  
 Leu Ala Ile Cys Gln Pro Leu Arg Ser Leu Arg Arg Arg Thr Asp Arg  
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ctg gca gtg ctc gcc acg tgg ctc ggc tgc ctg gtg gcc agc gcg ccg 1131  
 Leu Ala Val Leu Ala Thr Trp Leu Gly Cys Leu Val Ala Ser Ala Pro  
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cag gtg cac atc ttc tct ctg cgc gag gtg gct gac ggc gtc ttc gac 1179  
 Gln Val His Ile Phe Ser Leu Arg Glu Val Ala Asp Gly Val Phe Asp  
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tgc tgg gcc gtc ttc atc cag ccc tgg gga ccc aag gcc tac atc aca 1227  
 Cys Trp Ala Val Phe Ile Gln Pro Trp Gly Pro Lys Ala Tyr Ile Thr  
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 Trp Ile Thr Leu Ala Val Tyr Ile Val Pro Val Ile Val Leu Ala Thr  
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tgc tac ggc ctt atc agc ttc aag atc tgg cag aac ttg cgg ctc aag 1323  
 Cys Tyr Gly Leu Ile Ser Phe Lys Ile Trp Gln Asn Leu Arg Leu Lys  
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 Thr Ala Ala Ala Ala Ala Glu Ala Pro Glu Gly Ala Ala Ala Gly  
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gat ggg ggg cgc gtg gcc ctg gcg cgt gtc agc agc gtc aag ctc atc 1419  
 Asp Gly Gly Arg Val Ala Leu Ala Arg Val Ser Ser Val Lys Leu Ile  
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 Ser Lys Ala Lys Ile Arg Thr Val Lys Met Thr Phe Ile Ile Val Leu  
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atg ctc ctg gcc agc ctc aac agc tgc tgc aac ccc tgg atc tac atg 1611  
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ctg ttc acg ggc cac ctc ttc cac gaa ctc gtg cag cgc ttc ctg tgc 1659  
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&lt;212&gt; PRT

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Arg	Arg	Asn	Glu	Ala	Leu	Ala	Arg	Val	Glu	Val	Ala	Val	Leu	Cys	Leu
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Ile	Leu	Leu	Leu	Ala	Leu	Ser	Gly	Asn	Ala	Cys	Val	Leu	Leu	Ala	Leu
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Arg Thr Thr Arg Gln Lys His Ser Arg Leu Phe Phe Phe Met Lys His  
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Leu Ser Ile Ala Asp Leu Val Val Ala Val Phe Gln Val Leu Pro Gln  
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Leu Leu Trp Asp Ile Thr Phe Arg Phe Tyr Gly Pro Asp Leu Leu Cys  
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Pro Lys Glu Ala Ser Ala Phe Ile Ile Val Met Leu Leu Ala Ser Leu  
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Asn Ser Cys Cys Asn Pro Trp Ile Tyr Met Leu Phe Thr Gly His Leu  
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Phe His Glu Leu Val Gln Arg Phe Leu Cys Cys Ser Ala Ser Tyr Leu  
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